ACURITE®

Instruction Manual

Display for 3-in-1 Weather Sensor

model 615RX

Package Contents

1. Display unit with tabletop stand
2. Instruction Manual

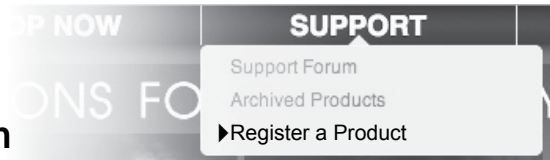
This product requires an AcuRite 3-in-1 Weather Sensor (model 06008RM; sold separately) to be operational.

IMPORTANT PRODUCT MUST BE REGISTERED TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION

Register online to receive 1 year warranty protection

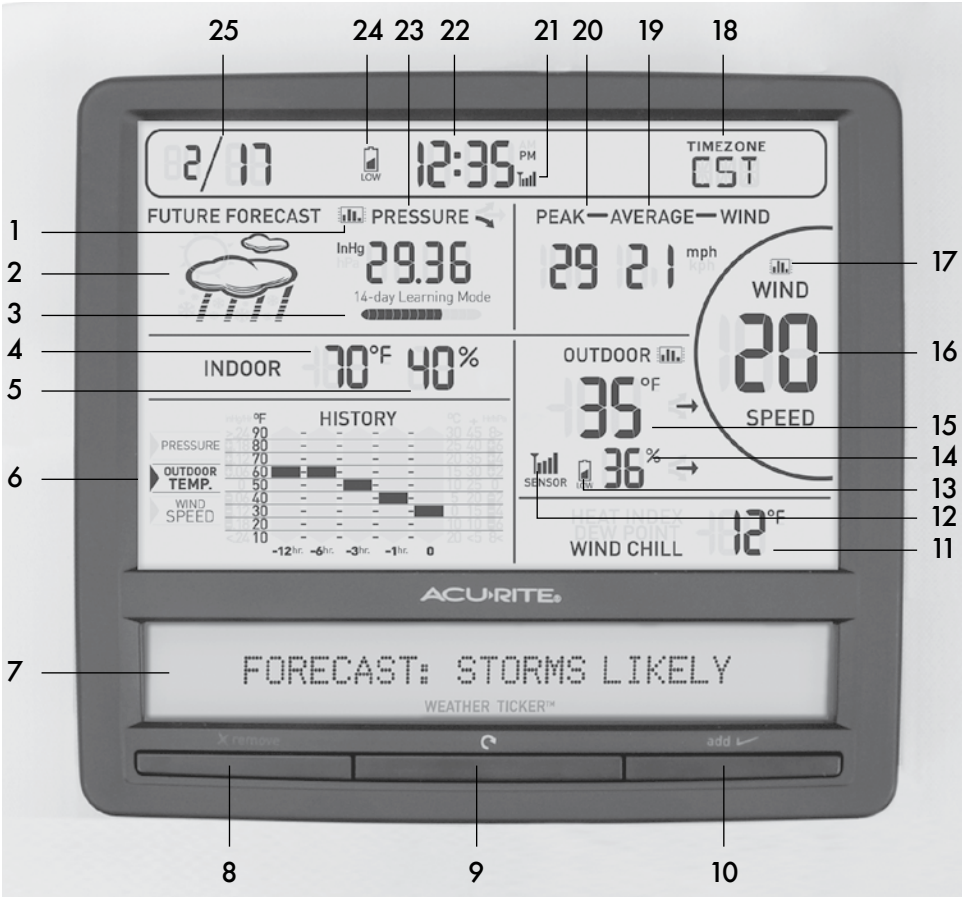
www.**AcuRite**.com



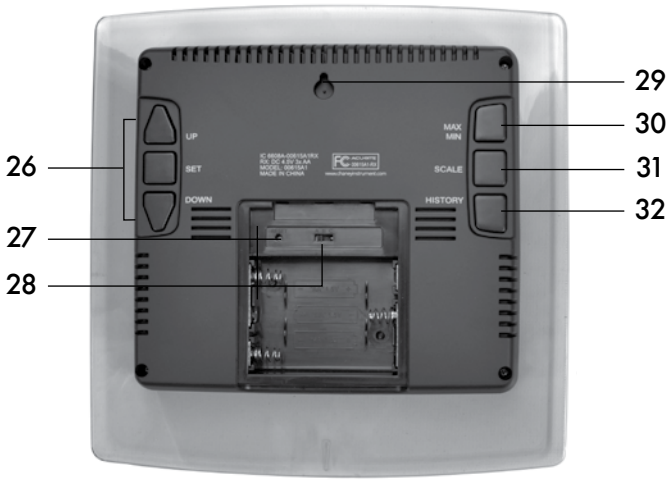
Questions? Contact Customer Support at (877) 221-1252 or visit www.**AcuRite**.com.

SAVE THIS MANUAL FOR FUTURE REFERENCE.

Features & Benefits



Back of Display Unit



DISPLAY UNIT

1. **History Chart Icon**
   Indicates data is currently displayed on the History Chart (6).
2. **12 to 24 Hour Weather Forecast**
   Self-Calibrating Forecasting pulls data from the outdoor sensor to generate your personal forecast.
3. **Learning Mode Icon**
   Disappears after weather forecast self-calibration is complete.
4. **Current Indoor Temperature**
5. **Current Indoor Humidity**
6. **Multi-Variable History Chart**
   Displays the past 12 hours of data for pressure, outdoor temperature or wind speed.
7. **Weather Ticker™**
8. **"✕ remove" Button**
   Deactivates Weather Ticker message
9. **Weather Ticker Manual Cycle**
   Press to advance through messages.
10. **" add ✓ " Button**
    Activates Weather Ticker Message
11. **Seasonal Information**
    Wind chill will show when temperature is below 40°F (4°C), Dew Point when temperature is 41-79°F (5-26°C), and Heat Index when temperature is over 80°F (27°C).
12. **Outdoor Sensor Signal Strength**
13. **Sensor Low Battery Indicator**
14. **Current Outdoor Humidity**
    Arrow icon indicates direction humidity is trending.
15. **Current Outdoor Temperature**
    Arrow icon indicates direction temperature is trending.
16. **Current Wind Speed**
17. **History Chart Icon**
    Indicates data is currently displayed on the History Chart (6).
18. **Selected Time Zone**
19. **Average Wind Speed**
    Based on all wind speed readings from the past 2 minutes.
20. **Peak Wind Speed**
    Highest speed from past 60 minutes
21. **Atomic Clock Signal Strength**
22. **Atomic Clock**
    Maintains time with split-second accuracy and automatically updates for daylight saving time.
23. **Barometric Pressure**
    Arrow icon indicates the direction the pressure is trending.
24. **Display Low Battery Indicator**
25. **Date**

BACK OF DISPLAY UNIT

26. **UP, SET & DOWN Button**
    For setup preferences.
27. **Reset Button**
    Full reset to factory defaults.
28. **A-B-C Switch**
    ID code that must match sensor's A-B-C switch to ensure units synchronize.
29. **Integrated Hang Hole**
    For easy wall mounting
30. **MAX/MIN Button**
    Press to view high or low records for temperature and humidity.
31. **SCALE Button**
    Changes measurement units to Standard or Metric.
32. **HISTORY Button**
    Press to toggle between pressure, outdoor temperature and wind speed data on the History Chart (6).
33. **Battery Compartment Cover**
    (not shown)

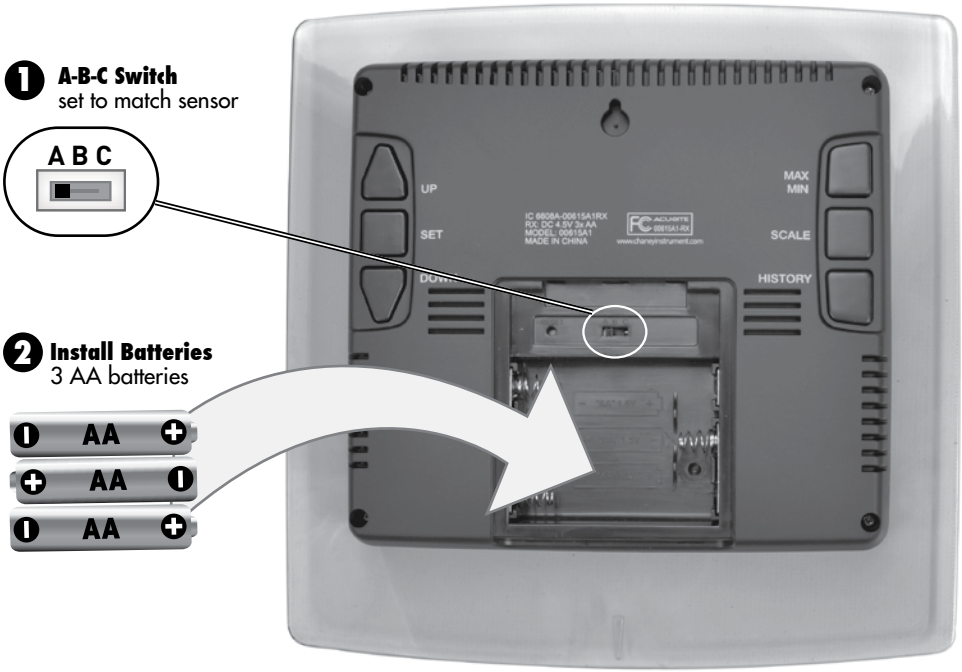
Display Unit Setup

❶ Set the A-B-C Switch

Locate the A-B-C switch inside the battery compartment. Set the A-B-C switch to A, B or C. You must select the same letter choices for both the display unit and the sensor in order for the units to synchronize.

❷ Install or Replace Batteries

1. Remove the battery compartment cover.
2. Insert 3 x AA alkaline batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.
3. Replace the battery cover.



PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.

BATTERY SAFETY: Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

Atomic Clock

AcuRite atomic clocks use a radio-controlled signal to synchronize to the correct time broadcast by the National Institute of Standards and Technology (NIST) Radio Station WWVB, located near Fort Collins, Colorado. WWVB broadcasts the current time and date with split-second accuracy.

The atomic clock and calendar will maintain the correct time and date, and automatically update for daylight saving time to provide the most accurate timekeeping standard possible.

Please note: Signal reception is normally better at night and when the weather is clear. The atomic signal generally takes a few hours to synchronize, so it is important to manually set the time and date after powering on the display.

Set the Time & Date

Press and hold the "SET" button, located on the back of the display unit, for 3 seconds to enter SET MODE. Once in set mode, the preference you are currently setting will blink on the display.

To adjust the currently selected (flashing) item, press and release the "UP" or "DOWN" buttons (press and HOLD to fast adjust).

To save your adjustments, press and release the "SET" button again to adjust the next preference. The preference set order is as follows:

TIME ZONE (EST AST HAT AKT PST MST CST)
DST (Daylight Saving Time ON or OFF)*
CLOCK HOUR
CLOCK MINUTE
CALENDAR YEAR
CALENDAR MONTH
CALENDAR DATE

*If you live in an area that observes DST, DST should be set to ON, even if it is not currently Daylight Saving Time.

You will automatically exit SET MODE if no buttons are pressed for 30 seconds. Enter setup mode at any time by pressing and holding the "SET" button.

Select Measurement Units

To select between U.S. standard units or metric units, press the "SCALE" button, located on the back of the display unit.

Measurement	U.S. Standard Units	Metric Units
Temperature	Degrees Fahrenheit (°F)	Degrees Celsius (°C)
Barometric Pressure	inHg (inches of mercury)	hPa (Hectopascal)
Wind Speed	Miles per hour (mph)	Kilometers per hour (kph)

Placement for Maximum Accuracy

AcuRite sensors are sensitive to surrounding environmental conditions. Proper placement of both the display unit and the sensor are critical to the accuracy and performance of this product.

Display Unit Placement

Place the display unit in a dry area free of dirt and dust. To ensure accurate temperature measurement, place out of direct sunlight and away from heat sources or vents. Display unit stands upright for tabletop use or is wall-mountable.

Important Placement Guidelines

Display unit and sensor must be within 330 feet (100 m) of each other.

MAXIMIZE WIRELESS RANGE

Place units away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.

PREVENT WIRELESS INTERFERENCE

Place both units at least 3 feet (.9 m) away from electronic devices (TV, computer, microwave, radio, etc.).

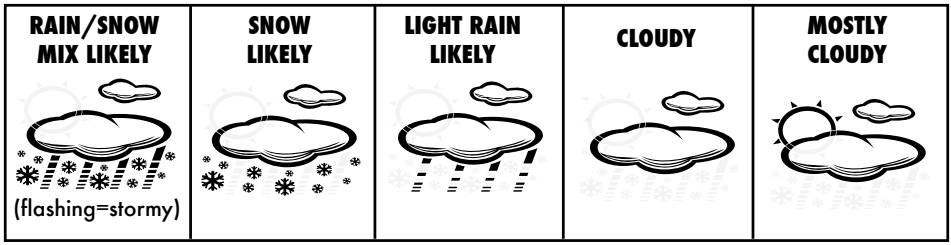
Using The Weather Center

Learning Mode

Self-Calibrating Forecasting use a unique algorithm to analyze changes in pressure over a time period (called Learning Mode) to determine your altitude. After 14 days, the Learning Mode icon disappears from the display screen. At this point, the self-calibrated pressure is tuned in to your location and the unit is ready for superior weather prediction.

Weather Forecast

AcuRite's patented Self-Calibrating Forecasting provides your personal forecast of weather conditions for the next 12 to 24 hours by collecting data from the sensor in your backyard. It generates a forecast with pinpoint accuracy - personalized for your exact location.



View the complete list of icons at www.AcuRite.com/acurite-icons

Multi-Variable History Chart

The multi-variable history chart lets you monitor the change in conditions over the last 12 hour time period (-12, -6, -3, -1, 0). Toggle between barometric pressure, outdoor temperature and wind speed readings.

Wind Speed

The Wind Speed area of the display features WIND SPEED PEAK, AVERAGE and CURRENT WIND SPEED. The multi-variable history chart lets you monitor the change in AVERAGE hourly wind speed.

Barometric Pressure

Subtle variations in barometric pressure greatly impact the weather. This weather center displays the current pressure with an arrow icon to indicate the direction the pressure is trending (FALLING, STEADY, or RISING). The multi-variable history chart lets you monitor the change in pressure over time.

High & Low Records

The "MIN/MAX" button displays minimum and maximum recordings for outdoor and indoor temperature and humidity. To view the MINIMUM temperature and humidity readings, press and release the "MIN/MAX" button until the "MIN" icon appears on the display next to the low records. To view the MAXIMUM temperature and humidity readings, press and release the "MIN/MAX" button until the "MAX" icon appears on the display next to the high records.

To manually reset the high/low records currently being viewed, press and hold the "UP" and "SCALE" buttons simultaneously for 3 seconds. Dashes display to confirm you have cleared the records.

Weather Ticker™

The Weather Ticker automatically streams your real-time weather information and alerts as scrolling text in the lower part of the display unit screen. You can manually cycle through all the available messages by pressing the " ↻ " button.

Default WEATHER TICKER messages are pre-loaded as follows:

FORECAST	12 to 24 hour future weather forecast
MOON PHASE	Current moon phase
INDOOR COMFORT	Dry, OK or humid comfort level
IT FEELS LIKE __ OUTSIDE	Calculates what temperature it feels like outdoors (based on temperature, humidity and wind speed)
OUTDOOR TEMP THIS WEEK HIGH	Highest temperature recorded this calendar week
OUTDOOR TEMP THIS WEEK LOW	Lowest temperature recorded this calendar week
OUTDOOR TEMP THIS MONTH HIGH	Highest temperature recorded this calendar month
OUTDOOR TEMP THIS MONTH LOW	Lowest temperature recorded this calendar month

Additional messages will appear *when applicable* (these cannot be manually added to the Weather Ticker list):

NEW HIGH TEMPERATURE RECORD
NEW LOW TEMPERATURE RECORD
NEW WIND SPEED RECORD TODAY
HIGHEST WIND SPEED (all-time record)
AVERAGE WIND SPEED THIS WEEK
TEMPERATURE TREND (falling, steady or rising)
SENSOR BATTERIES LOW
SENSOR SIGNAL LOST

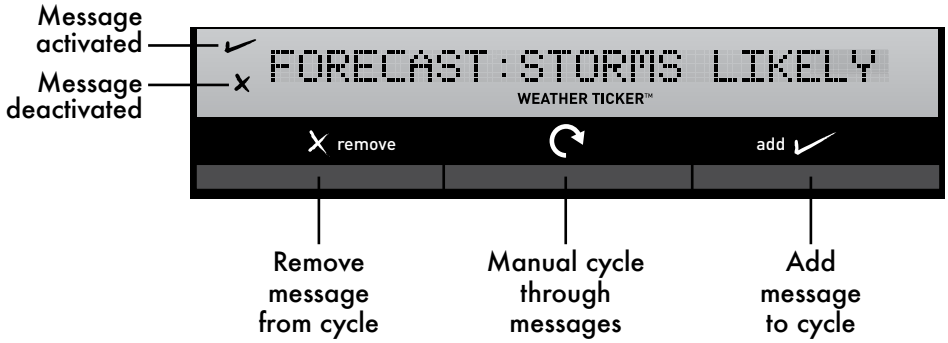
Customize Weather Ticker Messages

Customize which messages you want to scroll across the WEATHER TICKER:

1. Press the "↻" button to manually cycle through each message available.

2. During the manual review: PRESS the " add ✓ " button to activate the current scrolling message. The corresponding " add ✓ " appears on screen to the left of the message to indicate the message is now active in the ticker cycle. PRESS the " ✕ remove " button to deactivate the current scrolling message. The corresponding " ✕ remove " appears on screen to the left of the message to indicate the message is now deactivated from the ticker cycle.

Please note: Messages can only be added and removed to the ticker cycle during manual review. The " add ✓ " and " ✕ remove " buttons do not add or remove messages during the automatic cycle.



Care & Maintenance

Display Unit Care

Clean with a soft, damp cloth. Do not use caustic cleaners or abrasives. Keep away from dust, dirt and moisture. Clean ventilation ports regularly with a gentle puff of air.

Specifications

TEMPERATURE RANGE	Outdoor: -40ºF to 158ºF; -40ºC to 70ºC
	Indoor: 32ºF to 122ºF; 0ºC to 50ºC
HUMIDITY RANGE	Outdoor: 1% to 99%
	Indoor: 16% to 98%
WIND SPEED	0 to 99 mph; 0 to 159 kph
WIRELESS RANGE	330 ft / 100 m depending on home construction materials
OPERATING FREQUENCY	433 MHz
POWER	3 x AA alkaline batteries
DATA REPORTING	Wind Speed: 18 second updates
	Outdoor temperature & humidity: 18 second updates
	Indoor temperature & humidity: 60 second updates

FCC Information

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions:
1- This device may NOT cause harmful interference, and
2- This device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and the receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

Customer Support

AcuRite customer support is committed to providing you with best-in-class service. **For assistance**, please have the model number of this product available and contact us in any of the following ways:

(877) 221-1252 info@chaney-inst.com

24/7 support at www.**AcuRite**.com

- ► Installation Videos
- ► Instruction Manuals
- ► Replacement Parts
- ► Register your Product
- ► Support User Forum
- ► Submit Feedback & Ideas

Limited One Year Warranty

At AcuRite, we proudly uphold our commitment to quality technology. Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase.

We recommend that you visit us at www.AcuRite.com for the fastest way to register your product. However, product registration does not eliminate the need to retain your original proof of purchase in order to obtain warranty benefits.

Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase. Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). Any product which, under normal use and service, is proven to breach the warranty contained herein within ONE YEAR from date of sale will, upon examination by Chaney, and at its sole option, be repaired or replaced by Chaney. Transportation costs and charges for returned goods shall be paid for by the purchaser. Chaney hereby disclaims all responsibility for such transportation costs and charges. This warranty will not be breached, and Chaney will give no credit for products it manufactures which have received normal wear and tear, been damaged (including by acts of nature), tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

The above-described warranty is expressly in lieu of all other warranties, express or implied, and all other warranties are hereby expressly disclaimed, including without limitation the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. Chaney expressly disclaims all liability for special, consequential or incidental damages, whether arising in tort or by contract from any breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Chaney further disclaims all liability from personal injury relating to its products to the extent permitted by law. By acceptance of any of Chaney's products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to assume for Chaney any other liability in connection with the sale of its products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this paragraph, and the preceding paragraph, unless done in writing and signed by a duly authorized agent of Chaney. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For in-warranty claims:
Chaney Instrument Co. | 965 Wells St. | Lake Geneva, WI 53147

ACU RITE®

Weather Stations

Temperature & Humidity

Weather Alert Radio

Kitchen Thermometers & Timers

Clocks

It's more than accurate, it's ACU RITE®

AcuRite offers an extensive assortment of precision instruments, designed to provide you with information you can depend on to Plan your day with confidence™.

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